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tions were fixed by distances from *α Crucis* and *Canopus*, and are as follows:—

	M.T.	R.A.	Decl. South.	Long. East.
1853.	h m	h m s	° ′ ″	° ′
Sept. 14	17 11	10 24 49·3	20 7 49	4 45
16	16 51	17 54·6	22 24 49	2 0
20	16 22	8 22	25 56 15	
21	16 49	5 57·5	26 40 16	
24	16 33	10 1 14·5	28 32 12	3 0
27	16 29	9 57 14·5	30 7 24	
Oct. 10	15 41	9 45 8·4	34 50 47	2 0

"On the mornings of the 17th, 21st, and 22d, less of the tail was seen, from the haziness of the atmosphere and the brightness of the moon."

Observations made by Mr. Heath with a Sextant, to ascertain the Position of the Comet: corrected for Index Error.

		° ′ ″		° ′ ″
Sept. 14	Comet to Canopus	56 39 45	Comet to *α* Crucis	46 28 0
16	——	53 52 45	——	44 49 0
20	——	49 47 30	——	42 16 45
21	——	48 53 10	——	41 48 10
24	——	46 48 10	——	40 29 60
27	——	45 3 30	——	39 25 0
Oct. 10	——	39 55 50	——	36 22 0

Observations of a Comet seen in the Southern Hemisphere.

(*Extract of a Letter from Captain Drury, of H.M.S. Pandora, to Rear-Admiral Sir Francis Beaufort.*)

"The following observations were made in the Pandora, off Norfolk Island, in latitude 29° south, longitude 168° east, on Sept. 13, 1853, at $4^h\ 45^m$ A.M.; and in the Hauraki Gulf, New Zealand, on Sept. 25th, $3^h\ 45^m$ A.M.

"To the naked eye the nucleus first appeared four times the size of *Jupiter*, of a pale, but considerable brightness, as if the light of *Jupiter* were spread over four times its surface. The tail was about 5° in length, making an angle with the vertical circle of 15° south of the zenith. It was seen in the constellation of *Crater et Hydra*. Its brightness diminished daily, and it was last seen on Sept. 25th in the constellation of *Anthia Pneumatica*. Its right ascension on the 13th, at $4^h\ 45^m$ A.M., was (as measured from three stars) $10^h\ 32^m\ 32^s$, and its declination 17° 2′ 30″ south. From the same number again on the 25th its position was in right ascension $9^h\ 59^m\ 14^s$, and declination 27° 51′ 0″ south, by which it appears to have travelled through 2′ 48″ of arc per hour.

"The clouds prevented any further measurements, but I am enabled to fill up most of the intervening days by the observations of Mr. Heath, acting mate of the Calliope, observed on board at Auckland.

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Date.		R.A.	Decl. S.	Length of Tail.	Ship.	Observer.
1853.	h m	h m s	° ′ ″	° ′		
Sept. 12	16 45	10 32 32	17 2 30	5 0	Pandora	Capt. Drury
24	15 45	9 59 14	27 51 0	...	—	Mr. J. H. Kerr, Second Master.

"Government House, Flag Staff, Norfolk Island, mean latitude by forty circum. mer. alts. 29° 2′ 39″ south. Mean longitude by eleven chronometers, rated at Auckland before and on return, 168° 0′ 47″ east. Measured from Auckland, longitude Dépôt Point, 174° 50′ 40″ east."*

New Planet discovered at Mr. Bishop's Observatory by Mr. Marth, 1854, *March* $1^{d}\ 14^{h}\frac{1}{2}$.

1854.		G.M.T.	App. R.A.	App. N.P.D.
		h m s	h m s	° ′ ″
March 1	at	14 45 7	13 17 31·06	100 5 29·8
2		14 53 48	13 17 4·61	100 5 25·4

Shines as a star of 10.11 magnitude.

The planet was also discovered independently by Mr. Norman Pogson, Assistant at the Radcliffe Observatory, Oxford, from two observations made on the 2d of March. The second of these observations was only nine minutes later than the observation of the same day made by Mr. Marth. The same impression of the *Times* contained two independent communications, from Mr. Hind and Mr. Johnson, each containing the announcement of the discovery. The planet has received the name of *Amphitrite.*

Discovery of a New Planet. By M. Luther.

A new planet was discovered by M. Luther at the Observatory of Bilk, on the 1st of March, 1854. It has been called *Bellona.* The following elements of its orbit have been calculated by Professor Chevallier and Mr. George Rümker:—

Epoch, 1854, March 15·0.

	° ′ ″	
M	47 34 34·3	
π	113 4 19·1	Mean Equinox, 1854·0
λ	146 27 12·8	
i	10 5 22·2	
φ	8 53 56·0	
Log a	0·449,298	
Log μ	2·867,060	

These elements are based on the following observations:—

BILK.

1854.	Bilk M.T.	R.A.	Decl. N.
	h m s	° ′ ″	° ′ ″
March 1	12 24 24	181 23 57·3	7 1 32·3

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* Mr. Heath's observations are here omitted, as they are identical with those contained in the paper immediately preceding, communicated by Capt. King.—ED.

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